

Title (en)  
PRINTER AND CONSUMABLES

Title (de)  
DRUCKER UND VERBRAUCHSPRODUKTE

Title (fr)  
IMPRIMANTE ET CONSOMMABLES

Publication  
**EP 2962854 A1 20160106 (EN)**

Application  
**EP 15173085 A 20150622**

Priority  
JP 2014133969 A 20140630

Abstract (en)  
If an authentication unit authenticates the consumables manager, a determination unit determines whether or not a ink cartridge is past a recommended use-by date, which is calculated from the manufacturing date the recommended stop period and the like, based on the recommended use-by date and the number of days that have elapsed since the manufacturing date of the ink cartridge. Then, a notification unit displays a message as a warning on an operation panel, the message indicating that the ink cartridge is close to its use-by date, if the determination unit determines that the ink cartridge is past the recommended use-by date, and if the warning cycle has passed since the warning point of the last warning issuance judged from the warning information stored in a memory in the ink cartridge and the warning cycle stored in a memory.

IPC 8 full level  
**B41J 2/175** (2006.01)

CPC (source: EP US)  
**B41J 2/17503** (2013.01 - EP US); **B41J 2/17546** (2013.01 - US)

Citation (applicant)  
JP 3951996 B2 20070801

Citation (search report)  
• [YA] US 2005073393 A1 20050407 - MOTOSUGI TOSHIHISA [JP], et al  
• [XAY] US 2004168116 A1 20040826 - SHIKATA YUKIKO [JP]  
• [Y] US 2006283933 A1 20061221 - UEDA KOSEI [JP], et al  
• [A] JP 2011095307 A 20110512 - SHARP KK

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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**EP 15173085 A 20150622**; CN 201510378940 A 20150630; JP 2014133969 A 20140630; US 201514742883 A 20150618